OWNER'S MANUAL

RSC-1401HCLTW /1651HCLTW Laminator



Read all instructions carefully before use.

For any Customer Support needs please choose the Customer Support tab on www.royalsovereign.com

Royal Sovereign International Inc.

www.royalsovereign.com

TABLE OF CONTENTS

TOPIC	PAGE
1. Introduction	3
2. Safety Precautions	3
3. Installation	4
4. Included with Laminator	5
5. Product Identification	6
6. Control Panel	7
7. Roller Nip Settings	8
8. Using Foot Pedal	9
9. Loading Film	9
10. Threading Film	
10.1. Decaling	10
10.2. Mounting	11
11. Maintenance	12
12. Troubleshooting	12
13. Specifications	13
14. Warranty	14

1. INTRODUCTION

Thank you for choosing a Royal Sovereign laminator. It has been designed and manufactured to provide years of continuous service. For complete operating and maintenance information please read this manual thoroughly. Upon receipt of your laminator, please inspect the box, the machine and all other contents for shipping damage. Damage should be brought to the immediate attention of the delivering carrier (See page 4 for list of shipment elements).

2. SAFETY PRECAUTIONS

Failure to comply with any of the following safety procedures could result in serious injury. Please read the instructions carefully and keep for future reference.

1. Only a licensed electrician should install wiring and outlet for the laminator.
2. Ensure the unit is plugged into a properly grounded outlet with the correct voltage.
3. Keep hands and clothing (i.e. Neckties) away from rollers. The rollers have pinch points that can trap body parts or clothing and cause serious injury.
4. Keep flammable and wet objects away from the machine.
5. Place machine on a level surface.
6. Avoid excessive sunlight, humidity and extreme temperatures.
7. Ensure the unit is turned off, cooled, and unplugged from the outlet prior to moving and/or repairing and/or maintenance.
8. Keep out of reach of children.
9. Only Royal Sovereign authorized maintenance and service technicians should make repairs.
10. Do not attempt to laminate items that exceed total recommended material thickness for the unit
11. When cleaning the machine, don't use flammable sprays or materials.
12. Do not touch the rollers when they place foreign objects inside the machine.
13. When moving the unit,don't touch the feed table.
14. If emergency happen, press emergency switch immediately.
15. Temperature of circumstance: 20°C ± 5°C; humidity of circumstance: $\leqslant$ 95%(20°C ± 5°C).
16.  Warning - Hazardous Moving Parts – Keep Fingers And Other Body Parts Away.

3. INSTALLATION

Note: The laminator should be installed by a trained service technician.

The laminator comes fully assembled, except for the stand to avoid shipping damage. Upon arrival, thoroughly inspect the unit. It is imperative that any shipping damage is reported and a claim is filed with the delivering carrier immediately upon receipt.

The laminator should be located in an area with adequate work space for feeding graphics and lamination materials.

Avoid placing the laminator in a dusty area or near sources of extreme heat or cold.

Once the laminator is in place, lock the casters into position("ON" position). Always unlock the casters ("OFF" position) when moving to a different location.

The socket-outlet shall be installed near the equipment and shall be easily accessible.

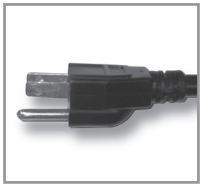
ELECTRICAL REQUIREMENTS

Note: For proper input voltage requirements see the marking lable on the equipment.

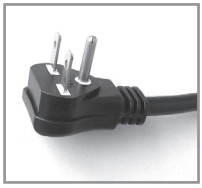
Royal Sovereign recommends that a licensed electrician ensures proper power installation to your laminator in accordance with electrical codes in your area.

The laminator should have a dedicated power line.

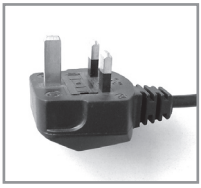
MODEL	RSC-1401HCLTW	RSC-1651HCLTW
Power Supply	220-240V 50/60HZ	220-240V 50/60HZ
	single phase	



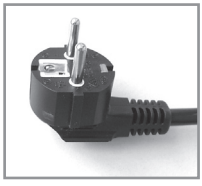
120V UL



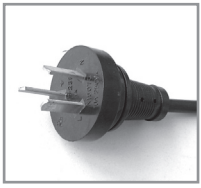
230V UL



240V UK



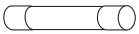
220V EU



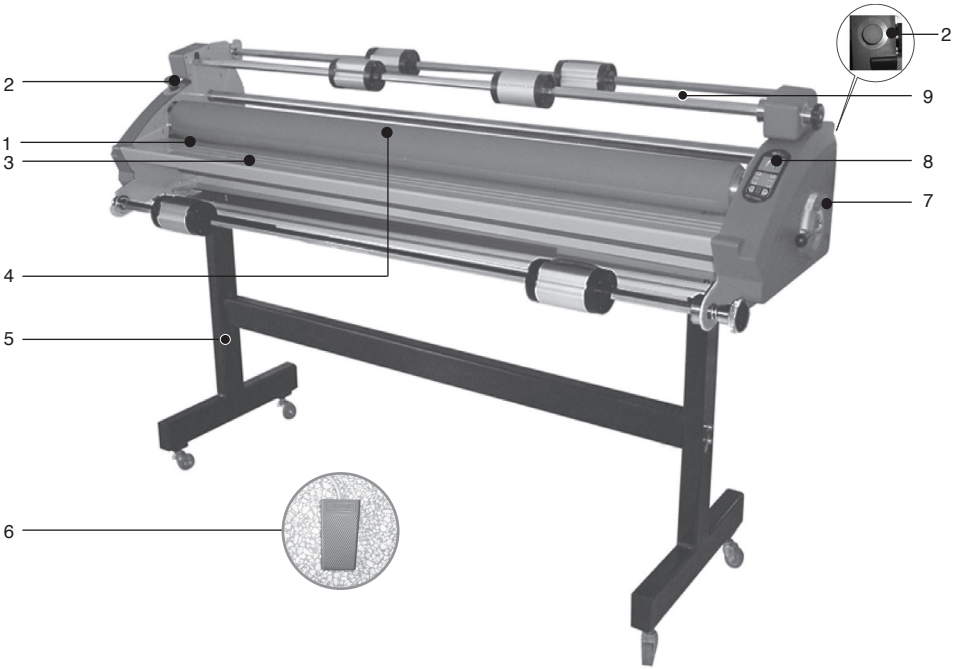
220V AU

4. INCLUDED WITH LAMINATOR

Thoroughly inspect the parts and the unit. It is imperative that any missing parts are reported and a claim is filed with the reseller immediately upon receipt of shipment.

Part Name	Quantity	Picture
Laminator	1	
Owner's Manual	1	
3˝ (76mm) / 2" (57mm) Auto Grip	6/6	
L-wrench (2.5/6)	1/1	
Dust Cover	1	
Spare Motor Fuse - Slow Blow fuse(50T) (6.3A)	1	
Spare Main Power Fuse -Time lag fuse(65TS) (5A)	1	
8 - 1/4"Hexa head Bolt (M8 * 12mm)	8	
4 - 1/3"screw (M8 * 65mm). 4 - Spring Washer(¢ 8.5) (Included with option only)	4	

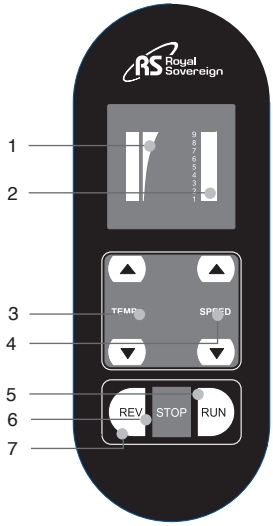
5. PRODUCT IDENTIFICATION



NO.	PART NAME	RSC-1401HCLTW	RSC-1651HCLTW
1	SAFETY SENSOR	O	O
2	EMERGENCY SWITCH	O	O
3	FEED TABLE	O	O
4	MAIN ROLLER	O	O
5	ASSEMBLY STAND	O	O
6	FOOT PEDAL	O	O
7	PRESSURE LEVER	O	O
8	CONTROL PANEL	O	O
9	SHAFT TAKE UP	O	O

6. CONTROL PANEL

When the machine is initially turned on, the LED display window will show the speed at 1.



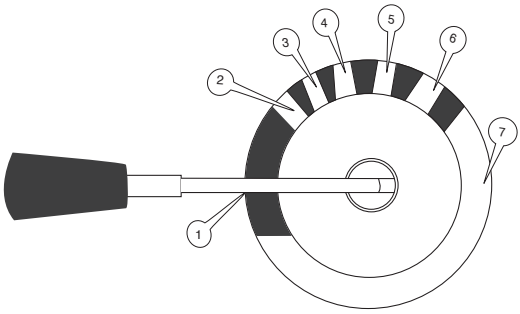
Control Buttons

1. **TEMPERATURE DISPLAY:** Display's current temperature.
2. **SPEED DISPLAY:** Display's current Speed.
3. **TEMPERATURE BUTTON :** To change the temperature (max. 122°F, 50°C) of the upper roller, press up or down arrow button.
4. **SPEED BUTTON:** Adjusting the speed of the rollers. To change the speed of the rollers, press the up or down arrow button.
5. **RUN:** To start the rollers.
6. **STOP:** To stop the rollers.
7. **REV:** To reverse the rollers, press and hold the REVERSE button.

7. ROLLER NIP SETTING

It is important to adjust the roller nip settings to the appropriate thickness of the board being used. Use the guide below to adjust to the correct position.

NO.	Inches	Metric (mm)
1	Lamination	Lamination
2	0.06"	1.5
3	0.12"	3
4	0.2"	5
5	0.3"	8
6	0.43"	11
7	0.6"	15



NOTE: If you don't want to laminate,please place the pressure lever to the "Open position(NO.7)".

8. USING FOOT PEDAL

USING FOOT PEDAL

Place the foot pedal on the floor in front of the machine. Once all correct settings are displayed, you may use the foot pedal to operate the laminator for "Hands Free Operation." To activate the machine, press the foot pedal once and then release. Repeat to stop the rollers.



9. LOADING FILM

Royal Sovereign films are wound with the adhesive side facing the inside of the roll (adhesive in).

Loading films to upper and lower film shafts:
(See page 5 for assistance with parts identification.)

1. Adjust the auto grip to fit to the film and tighten the auto grip screw (Figure 1).



Figure 1

2. Remove the upper and lower film shafts from the machine and load the films (Center the upper and lower films on the shaft). Note the direction of the adhesives on the lower and upper films (Figure 2).

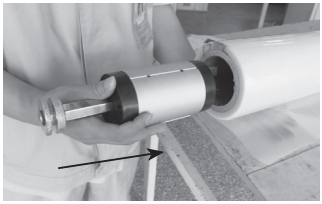
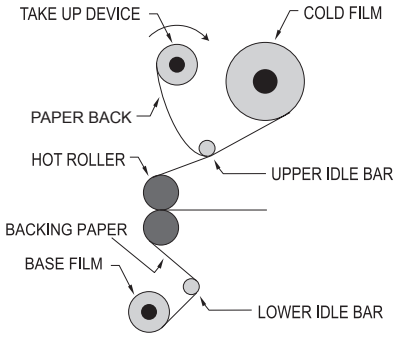


Figure 2

10. THREADING FILM



10.1. Decaling

1. Turn the power switch on (“I” position). The Power switch is located on the rear left side of the unit.

2. Complete the steps as in the “LOADING FILM” section (see page 8).

3. Pull the top film down to the bottom of the craft paper/ mounting film.

4. Align and center the craft paper/mounting film to the top film (Figure 1).

5. Peel the top film off (Figure 2).

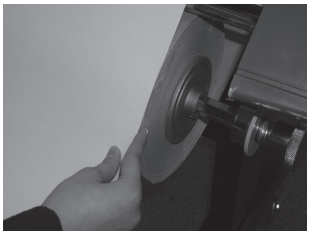


Figure 1

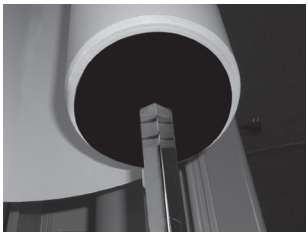


Figure 2

10.2 Mounting

1. Lay the decaled image face down on a flat surface. Carefully peel back and put a crease along the edge of the release liner (Approximately 1 inch or 25mm, Figure 1).



Figure 1

2. With the image facing up, align the image onto the board. Press firmly from the center out (Figure 2).



Figure 2

3. Adjust the pressure lever to ensure the proper opening (Figure 3).



Figure 3

4. Flip the image over the upper roller and hold on to the release liner (Figure 4).

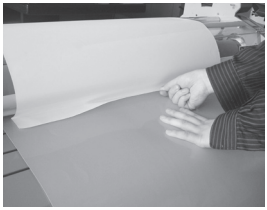


Figure 4

5. Press the foot pedal once, and then let it go while slowly pulling the release liner as the board enters the main roller nip (Figure 5).

   Press the foot pedal once again when the board has completely exited from the rear of the unit.
   Trim the board if necessary.



Figure 5

11. MAINTENANCE

Cleaning the Body of the laminator

1.To clean the machine body, dampen a cloth with water only and gently wipe the machine clean.

Removing Adhesive Build Up

1. Remove the film from the laminator.
2. Use a damp (water only) cloth and a rubber gum eraser to remove the adhesive on the Teflon (metal) and silicone rollers.

Note: Rub firmly but do not scrub the rollers vigorously as this may scratch the surface. Do not use sharp metal objects, steel wool, or abrasives, as these may also damage the rollers.

Lubrication

1. Drive chain and sprockets should be lubricated with either a light coat of gear lube or heavy grease (lithium grease) after 6 months or 1000 hours of operation, whichever comes first.

12. TROUBLESHOOTING

Symptom	Cause	Possible Solution
Machine will not turn on:	a. Power plug is not plugged in. b. Power switch is in “0” (Off) position. c. Tripped circuit breaker. d. Blown main power fuse.	a. Plug the power cord into appropriate outlet. b. Put the power switch to the “I” (On) position. c. Reset the circuit breaker. d. Replace the fuse.
There is power, but the rollers are not turning after the “RUN” button is pressed:	a. Emergency switch(es) is (are) engaged. b. Paper guide is not installed correctly. c. Blown motor fuse.	a. Disengage the emergency switch(es). b. Properly install the paper guide so that the micro switch is activated. d. Replace the motor fuse.
Curled lamination:	a. Upward curl. b. Downward curl.	a. Loosen the top roll film tension. b. Loosen the bottom roll film tension.

13. SPECIFICATIONS

Description	RSC-1401HCLTW	RSC-1651HCLTW
Power supply	AC 100-120V or 220-240V 50/60Hz	AC 100-120V or 220-240V 50/60Hz
Power consumption	1500W	1600W
Max laminating widt	1400mm / 55"	1650mm / 65"
Film thickness	50~500 mic /2~20mil	50~500 mic /2~20mil
Max laminating speed	5m/min / 16.4ft/min	5m/min / 16.4ft/min
Driving motor	DC geared	DC geared
Speed control	9 settings	9 settings
Transport type	2 Roller	2 Roller
Film core size	Auto grip (2",3")	Auto grip (2",3")
Cold lamination	Yes	Yes
Mounting thickness	15mm / 0.6"	15mm / 0.6"
Take up system	Yes	Yes
Reverse	Yes	Yes
Remote control	No	No
Foot pedal	Yes	Yes
Unit dimensions (w x d x h)	1710 x 550 x 1110 (mm) 67.3" x 21.6" x 43.7"	1950 x 550 x 1110 (mm) 77" x 21.6" x 43.7"
Unit weight	130kg / 286lbs	160kg / 354lbs
Carton dimensions (w x d x h)	1928 x 814 x 710(mm) 76" x 32" x 28"	2178 x 814 x 710(mm) 85.7" x 32" x 28"
Gross Weight	230kg / 506lbs	260kg / 572lbs

14. WARRANTY

Royal Sovereign International warrants the equipment sold is free from defects in material and workmanship for a period of One (1) year for Parts and Labor from the date of installation, excluding lamination rollers which are warranted for Six (6) months. This warranty is extended only to the original purchaser. This warranty is the only warranty made by Royal Sovereign International and cannot be modified or amended. Royal Sovereign's sole and exclusive liability and the customer's sole and exclusive remedy under this warranty shall be, at Royal Sovereign's option, to repair or replace any such defective part or product. These remedies are only available if Royal Sovereign's examination of the product discloses to Royal Sovereign's satisfaction that such defects actually exist and were not caused by misuse, neglect, attempt to repair, unauthorized alternation or modification, incorrect line voltage, fire, accident, flood or other hazard.

All warranty claims must be filed through the authorized Royal Sovereign dealer or reseller through which the equipment was originally purchased. Model, serial number and date of delivery are required for all claims.

The warranty made herein is in lieu of all other warranties, expressed or implied, including any warranty or merchantability or fitness for a particular purpose. Royal Sovereign will not be liable for personal damage or personal injury (unless primarily caused by its negligence), loss of profit, or other incidental or consequential damages arising out of the use or inability to use this equipment.

LIMITED WARRANTY

This warranty specifically does not cover damage to laminating rollers caused by knives, razor blades, or any sharp objects or abrasives, or failure caused by adhesives, or damage caused by lifting, tilting or improper use of the machine. Warranty repair or replacement by Royal Sovereign or its authorized Reseller(s) does not extend the warranty beyond the initial one year period from the date of installation. Unauthorized customer alterations will void this warranty.

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